

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.129X1-Fut2^{tm1Sdo}/J

RRID:IMSR_JAX:006262

Type: Organism

Proper Citation

RRID:IMSR_JAX:006262

Organism Information

URL: <https://www.jax.org/strain/006262>

Proper Citation: RRID:IMSR_JAX:006262

Description: Mus musculus with name B6.129X1-Fut2^{tm1Sdo}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-Fut2/J

Notes: gene symbol note: fucosyltransferase 2|beta-galactosidase; mutant strain|congenic strain: Fut2|lacZ

Affected Gene: fucosyltransferase 2|beta-galactosidase

Genomic Alteration: targeted mutation 1; Steven E Domino

Catalog Number: JAX:006262

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129X1-Fut2^{tm1Sdo}/J

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260912T060441+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Fut2^{tm1Sdo}/J.

No alerts have been found for B6.129X1-Fut2^{tm1Sdo}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lei C, et al. (2022) Enteric VIP-producing neurons maintain gut microbiota homeostasis through regulating epithelium fucosylation. *Cell host & microbe*, 30(10), 1417.

Suwandi A, et al. (2019) Std fimbriae-fucose interaction increases Salmonella-induced intestinal inflammation and prolongs colonization. *PLoS pathogens*, 15(7), e1007915.

Rausch P, et al. (2017) Multigenerational Influences of the Fut2 Gene on the Dynamics of the Gut Microbiota in Mice. *Frontiers in microbiology*, 8, 991.